INVENTOR(s): Atsushi Shozude, et al.; TITLE: "Optical Antireflection Film And Process For Forming The Same" ATTY. DOCKET NO. 19036/39398/US; Page 1 of 12 Marshall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

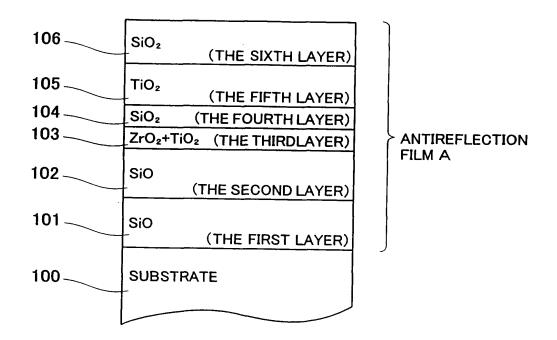


Fig. 1

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7	AYER	LAYER COMPONENT	REFRACTIVE INDEX	REFRACTIVE NDEX PHYSICAL THICKNESS (nm) OPTICAL THICKNESS	\prod	DESIGHNWAVELENGTH(nm)
\exists		SiO	1.5021	200	0.589 A	210
2		2 SiO	1.6021	200	0.628 λ	510
က	$\overline{}$	3 ZrO ₂ +TiO ₂	1.9899	23.65	0.092 A	510
4		SiO ₂	1.4471	21.48	0.061 λ	510
4,	5	TiO ₂	2.3483	109.77	0.506 λ	510
9		SiO ₂	1.4471	86.85	0.247 λ	510
_		SiO	1.5021	200	0.589 λ	510
~	2	SiO	1.6021	700	0.628 λ	510
(,)	3	Al ₂ O ₃	1.631	45.08	0.144 λ	510
7	_	4 ZrO ₂ +TiO ₂	1.9899	126.08	0.492 λ	510
וי	5	MgF ₂	1.3733	92.32	0.249 λ	510
		SiO_	1.5021	200	0.589 λ	510
2		2 SiO	1.6021	200	0.628 λ	510
ധ		3 ZrO ₂ +TiO ₂	1.9899	14.73	0.058 λ	510
4	_	4 SiO ₂	1.4471	19.02	0.054 A	510
5		TiO ₂	2.0251	117.33	0.466	510
9	_	6 SiO ₂	1.4471	85.77	0.243 A	510

Fig. 2

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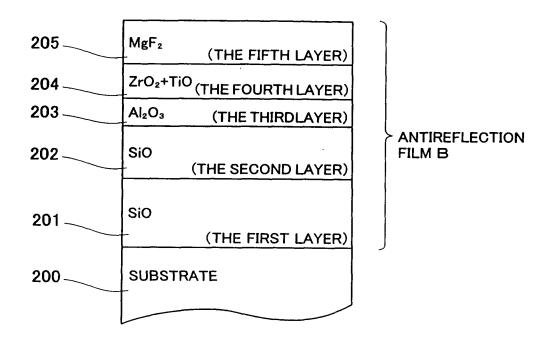


Fig. 3

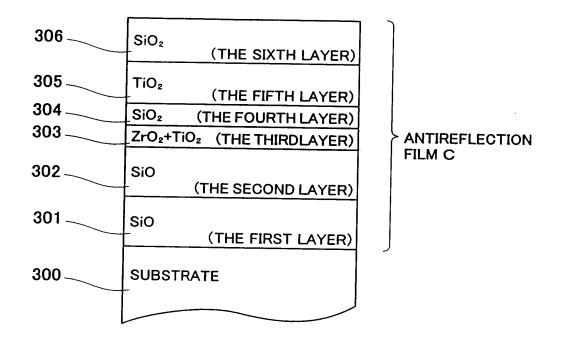


Fig. 4

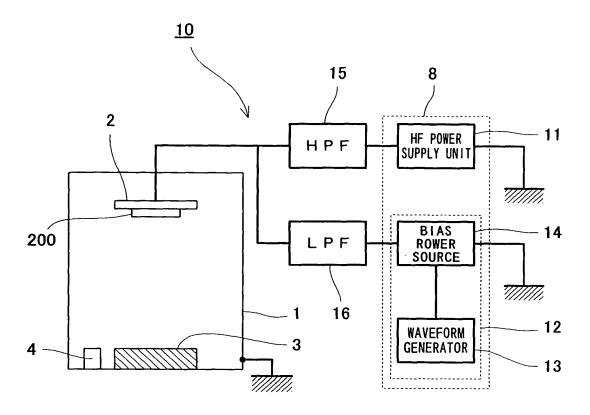


Fig. 5

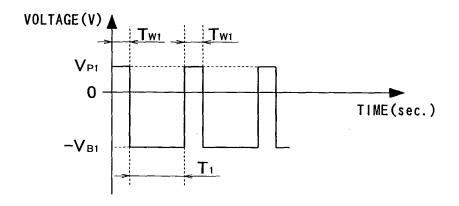


Fig. 6

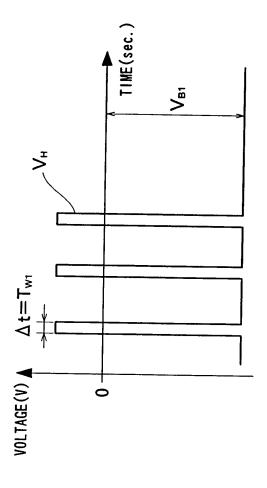
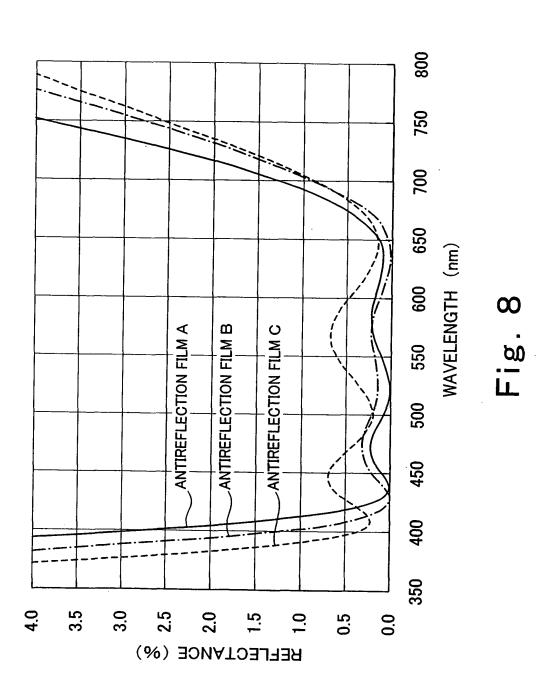


Fig. 7



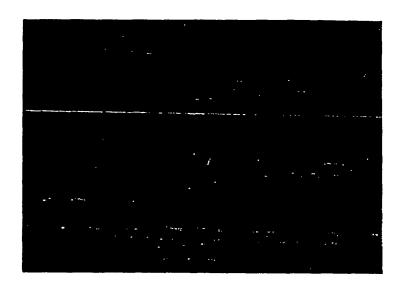


Fig. 9

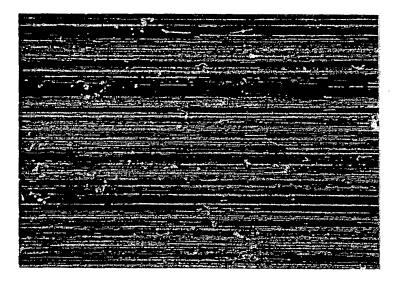


Fig. 10

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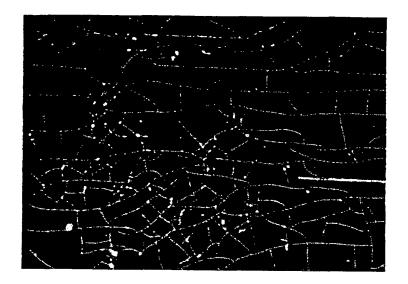


Fig. 11

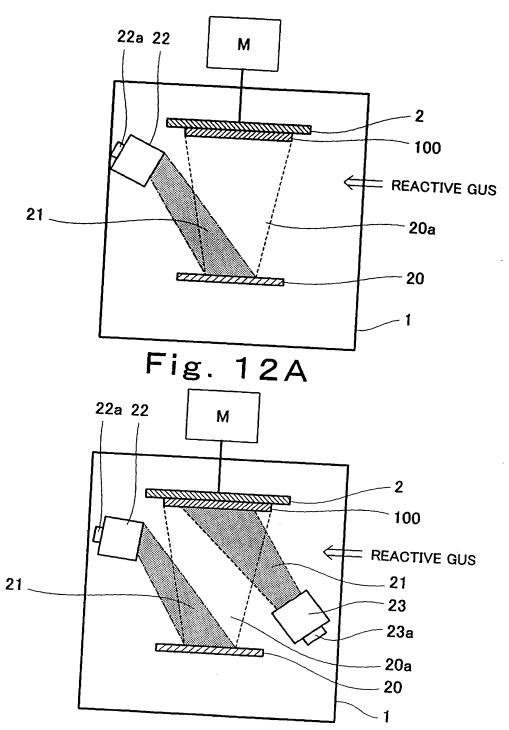
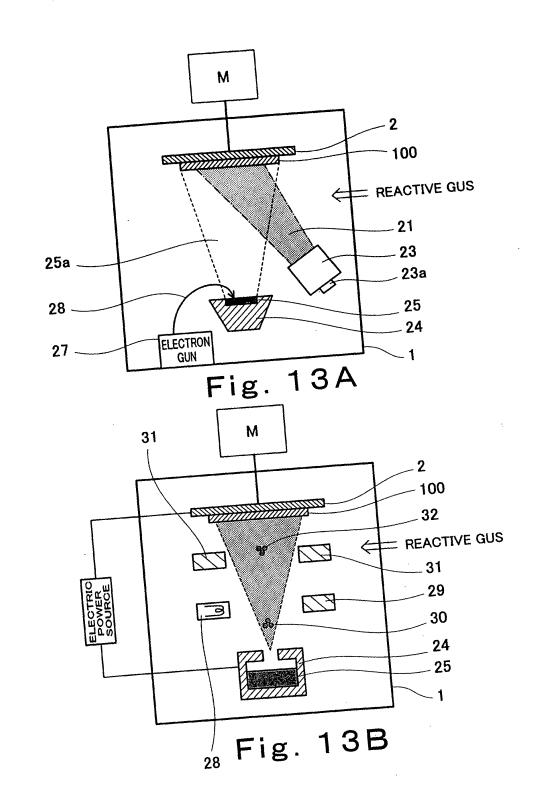


Fig. 12B



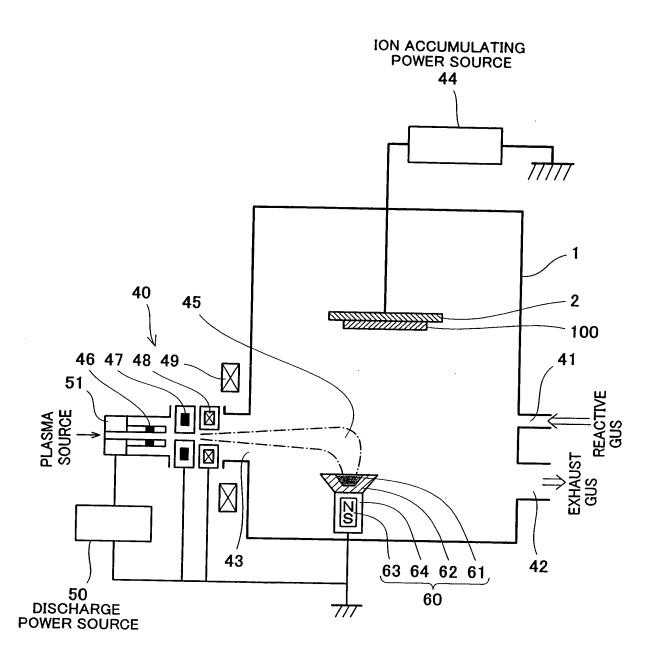


Fig. 14